

Purchasing Receipts

Dart Hawkesbury
1270 Aberdeen St Hawkesbury, ON K6A 1K7 Canada
Tel (613) 632-5200
Fax 613 632-5246

Plex 9/19/2018 1:14 PM dart. Tollis, Andrew



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO040791

E-MAILED
AUG 22 2018

Supplier:	MES002-VC Metaux Solutions 2625 boul Jacques-Cartier Est Longueuil QC J4N 1L7 Canada Phone: 800 558 8858 Fax: 514 633 8044	PO No:	PO040791
		PO Date:	8/21/18
		Due Date:	9/5/18
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1		M17-4-H900-R0.750		17-4 SS H900 Round Bar 0.750" : MATERIAL: 17-4 PH COND. H900 M174PH-H900R0.750 AS PER AMS 5643 receive ft	Firmed	-	9/10/18	24 ft	0 ft ✓ 24 ft	24 ft	\$39.90/ft	\$957.60
AT												AT 18/09/18
												Grand Total: \$957.60

Order Notes

CJ

Procurement Quality Clauses

- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 8/21/18 7:29 AM dart.lavoie.chantal

Bid

17/08/2018

28567

METAUX SOLUTIONS INC
2625 BOUL JACQUES CARTIER EST
LONGUEUIL, QUEBEC
J4N 1L7 Tel. : 450 641-3330

Sales Rep. : JEROME PRIMEAU
Expiration Date : 15/11/2018

Customer: 6323336

Ship To :

DART AEROSPACE LTD
1270, ABERDEEN STREET
HAWKESBURY, ONTARIO
K6A 1K7

Same

Tel.: 1 613 632-3336

Item No.	Description	Qty	Price	Total	Tx
***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N					
SR34174	17-4PH ROU .750 DIA cond. h900 2 x 12, r/l ht;	24	39.90	957.60	A

10/12 days

A) Regist :

Subtotal

957.60

HST :

124.49

Total :

1 082.09

Shipping Order

18/09/2018

METAUX SOLUTIONS INC
 2625 BOUL JACQUES CARTIER EST
 LONGUEUIL, QUEBEC
 J4N 1L7 Tel. : 450 641-3330

Order : 137646
Reference : PO 040791
Bid : 28567
Ship : PICK UP / PICK UP

Customer : 6323336

DART AEROSPACE LTD
 1270, ABERDEEN STREET
 HAWKESBURY, ONTARIO
 K6A 1K7

Ship To

Same

Tel. : 1 613 632-3336

<i>Item No.</i>	<i>Description</i>	<i>Qty</i>	<i>Qty. Delivered</i>	<i>B/O Qty</i>
SR34174	***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR LE PACKING SLIP INSCRIRE LES HEAT N 17-4PH ROU .750 DIA cond. h900 2 x 12' r/l ht: 441600	24	24	0

SHIP JOURNEY COLLECT

JP

Jean Morin
 09-18-18

<i>Shipping</i> :	<i>Ref.</i> :
<i>Package No</i> :	
<i>Merchandise Received</i> :	

CERTIFICATE OF TEST

CERTIFICAT D'ESAI

Page 01 of 02

CUSTOMER ORDER NUMBER
NUMÉRO DE COMMANDE DU CLIENT

Certification Date
31-AUG-2018

45426-JF
PART NUMBER/NUMÉRO DE PIÈCE

Invoice Number
T383220

SOLD TO:	METAUX SOLUTIONS INC.	SHIP TO:	METAUX SOLUTIONS	(RIVE-SUD)
VENDU À:	EXPÉDIÉ À:			
	2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1L7		2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1	

Description: 17-4 SOL ANN CF BAR
3/4 RD X 12' R/L
HEAT: 441600

ITEM: 510517

ASTM A564
Line Total: 36.2464 LB

Specifications:
AMS 5643 U
ASTM F899 12B

ASTM A564 T630 13
ASTM A484 16

ASME SA564 T630

CHEMICAL ANALYSIS

C	MN	SI	S	P	CR	NI	MO
0.024	0.82	0.33	0.023	0.025	15.30	4.30	0.20
CU	NB	NBTA					
3.36	0.17	0.17					

RCPT: R464258

COUNTRY OF ORIGIN : ITALY

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR PSI	ULT TEN PSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
COND A	164795.594	169348.297	13.2	49.2	343
DESCRIPTION	YLD STR KSI	ULT TEN KSI	%ELONG IN 02 IN	%RED IN AREA	HARDNESS BHN
DEV: H900 L	174.0	201.0	12.0	45.0	415

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES

MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

CERTIFICATE OF TEST

CERTIFICAT D'ESAI

Page 02 of 02

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NUMÉRO DE COMMANDE DU CLIENT

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VENDU À:	EXPÉDIÉ À:		
	2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1L7		2625 BOUL JACQUES CARTIER EST LONGUEUIL QC J4N 1

Description: 17-4 SOL ANN CF BAR
3/4 RD X 12' R/L
HEAT: 441600 ITEM: 510517 ASTM A564
Line Total: 36.2464 LB

THERMAL TREATMENT: OK
HEAT TREAT 900F 1 HR
COOL IN AIR

MACRO: OK
MICRO1: OK

COMMENTS
mfg italy
100% crack tested
complies with dfars 252.225-7009 and 7012

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

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JOANNE DESPRES



MANAGER QUALITY ASSURANCE
GÉRANT DE L'ASSURANCE QUALITÉ

SPECIFICATION CONTROL DRAWING

1	2	3	4	5	6	7	8	9	D	C	B	A																																			
PURCHASE MATERIAL 174PH / S17400 / TYPE 630 SS ROUND BAR GRAIN MUST BE ALONG LENGTH OF BAR MINIMUM YIELD STRENGTH PER TABLE MINIMUM ULTIMATE STRENGTH PER TABLE																																															
SPECIFICATION: PART NUMBER: AMS 5643 OR ASTM A564 M17-4-HHHHH-R XXXX COND O.D. WHERE: HHHHH SPECIFIES THE MATERIAL CONDITION (PER TABLE BELOW) CONDA WHERE: XXXX = DIAMETER (IN INCHES)																																															
MATERIAL CONDITION TABLE:																																															
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 15%;">CODE</th> <th style="width: 15%;">CONDITION</th> <th style="width: 15%;">MIN YIELD TENSILE STRENGTH (KSI)</th> <th style="width: 15%;">MIN ULTIMATE TENSILE STRENGTH (KSI)</th> </tr> </thead> <tbody> <tr> <td>(OMITTED)</td> <td>NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)</td> <td>100</td> <td>150</td> </tr> <tr> <td>H900</td> <td>H900</td> <td>170</td> <td>190</td> </tr> <tr> <td>H925</td> <td>H925</td> <td>155</td> <td>170</td> </tr> <tr> <td>H1025</td> <td>H1025</td> <td>145</td> <td>155</td> </tr> <tr> <td>H1075</td> <td>H1075</td> <td>125</td> <td>145</td> </tr> <tr> <td>H1100</td> <td>H1100</td> <td>115</td> <td>140</td> </tr> <tr> <td>H1150</td> <td>H1150</td> <td>105</td> <td>135</td> </tr> <tr> <td>CONDA</td> <td>CONDITION A (SOLUTION TREATED)</td> <td></td> <td></td> </tr> </tbody> </table>												CODE	CONDITION	MIN YIELD TENSILE STRENGTH (KSI)	MIN ULTIMATE TENSILE STRENGTH (KSI)	(OMITTED)	NONE SPECIFIED (CONDITION A NOT ACCEPTABLE)	100	150	H900	H900	170	190	H925	H925	155	170	H1025	H1025	145	155	H1075	H1075	125	145	H1100	H1100	115	140	H1150	H1150	105	135	CONDA	CONDITION A (SOLUTION TREATED)		
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H1150	H1150	105	135																																												
CONDA	CONDITION A (SOLUTION TREATED)																																														
NOTES: MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR TENSION OR SHEAR APPLICATIONS IN COLD WEATHER CONDITIONS MATERIAL IN H900 AND H925 CONDITION NOT RECOMMENDED FOR APPLICATIONS WHERE STRESS CORROSION CRACKING IS POSSIBLE CONDITION A NOT TO BE USED IN DESIGN FOR FINAL PRODUCT AND SHOULD ALWAYS BE HEAT TREATED																																															
EXAMPLES:																																															
RELEASED 2017-10-31 E017-728			PART NUMBER M17-4-R2.000 M17-4-H900-R2.500 M17-4-H1025-R3.250 M17-4-CONDA-R0.750			PART NUMBER M17-4-R2.000 M17-4-H900-C CONDITION M17-4-H1025-C CONDITION M17-4-CONDA-C CONDITION			DRAWN NO NO CP RA WM CP DE APPR. DATE			CHECKED NO NO CP RA WM CP APPROVED DATE																																			
												APPROVED 17.09.14																																			
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. C SHEET 1 OF 1 DRAWING NO. M17-4-R TITLE 17-4 SS ROUND BAR COPYRIGHT © 2005 BY DART AEROSPACE LTD ALL INFORMATION IS PROPRIETARY AND CONFIDENTIAL. NOT SUPPLIED OR EXPOSED TO ANY PERSON, OR FOR USE OUTSIDE OF DART AEROSPACE LTD. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD.																																															

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M17-4-H900-R0.750
 DATE: 18/09/19

PO / BATCH NO.: P0040711/5111476

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 24ft
 QUANTITY INSPECTED: 24ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.750"
 THICKNESS RECEIVED: 0.750"
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASME AS64
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HT: 441600
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>AJ</u>	SIGNED OFF BY: _____
DATE: <u>18/09/19</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in